

anti-Human TLR5 Monoclonal Antibody | anti-TLR5 antibody

TLR5 Monoclonal Antibody

CATALOG # AAA78243	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Immunohistochemistry
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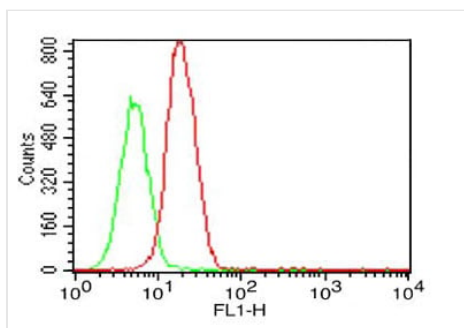
PRODUCT SYNONYMS

TLR5; Monoclonal Antibody; TLR5 Monoclonal Antibody; anti-TLR5 antibody

PRODUCT SPECIFICATIONS

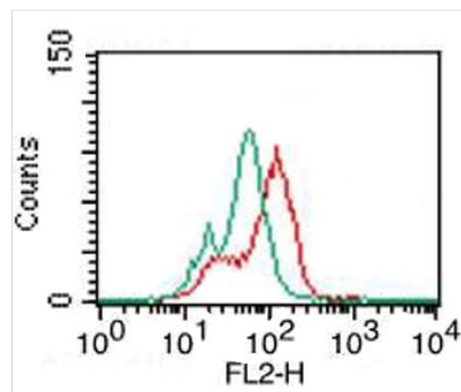
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a Kappa
Clone Number	ABM22G1
Purity/Purification	Protein G Chromatography
Form/Format	Purified; 25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic
Applicable Applications for anti-TLR5 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Immunogen	A partial length recombinant TLR5 protein was used as the immunogen for this antibody
Preparation and Storage	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles

IMAGES



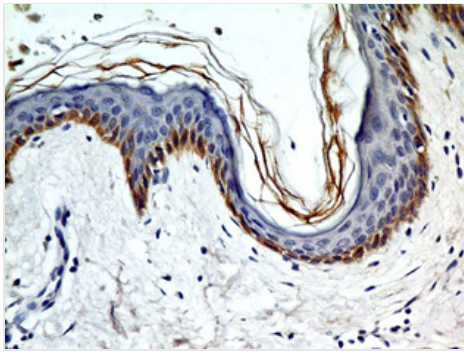
FCM/FACS (Flow Cytometry)

Fig-3: Intracellular flow analysis of hTLR5 antibody in TLR5 Transfected Cell line using 0.5×10^6 cells of hTLR5 antibody (Clone: ABM22G1). Green represents isotype control; red represents anti-hTLR5 antibody. Goat anti-mouse FITC conjugate was used as secondary antibody.



FCM/FACS (Flow Cytometry)

Fig-2: Intracellular flow analysis of hTLR5 in Monocytes using 0.5×10^6 cells of hTLR5 antibody (Clone: ABM22G1). Green represents isotype control; red represent anti-hTLR5 antibody. Goat anti-mouse PE conjugate was used as secondary.



IHC (Immunohistochemistry)

Fig-1 : Immunohistochemical analysis of TLR5 in human skin tissue using TLR5antibody (Clone: ABM22G1) at 10 µg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-TLR5 antibody	Toll-like receptor 5 (TLR5) plays a fundamental role in pathogen recognition and downstream signaling to induce effective immunity. It is well expressed in major old tissues including lung, skin, intestine, and spleen. TLR5 is present in synovial of patients with rheumatoid arthritis (RA), act as novel mediator of innate immunity-induced osteoclastogenesis and bone loss. TLR5 is a receptor for flagellin and is present on the basolateral surface of intestinal epithelial cells. It is involved in the migration of intestinal epithelial cells through activation of the p38 MAPK pathway. TLR5-mediated signaling specifically enhanced the maturation of lung dendritic cells. TLR5 influences the progression and outcome of ovarian, sarcoma, and luminal breast tumors. Mutations in TLR5 have been associated with both resistance and susceptibility to systemic lupus erythematosus, and susceptibility to Legionnaire disease.
Product Categories/Family for anti-TLR5 antibody	TLR

NCBI AND UNIPROT INFORMATION

NCBI GI #	16751843
NCBI GeneID	7100
NCBI Accession #	NP_003259.2
NCBI GenBank Nucleotide #	NM_003268.5
UniProt Accession #	O60602; O15456; Q32MI2; Q32MI3; B1AZ05; B3Y633; B9VJ63; D1CS80; D3DTB8
NCBI Official Full Name	toll-like receptor 5
NCBI Official Synonym Full Names	toll-like receptor 5
NCBI Official Symbol	TLR5
NCBI Official Synonym Symbols	SLE1; TIL3; SLEB1; MELIOS
NCBI Protein Information	toll-like receptor 5
UniProt Protein Name	Toll-like receptor 5
UniProt Gene Name	TLR5
UniProt Synonym Gene Names	TIL3
UniProt Entry Name	TLR5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.